

## MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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## DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

### **NOTICE OF ACCEPTANCE (NOA)**

BP Glass Garage Doors & Entry Systems, Inc. 9412 Gidley Street
Temple City, CA 91780

Scope: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Models BP-350/BP-450 HD Aluminum and Glass Sectional Garage Door

APPROVAL DOCUMENT: Drawing No. BPC003, titled "Glass Garage Door" sheets 1 through 6 of 6, dated 06/01/09, with revision A dated 12/20/2011, prepared by Building Drops, signed and sealed by Alexis Spyrou, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-0802.02 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI DADE COUNTY
APPROVED

1 03/16/2012

NOA No. 12-0124.03 Expiration Date: January 13, 2016 Approval Date: March 22, 2012 Page 1

#### **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. BPC003, titled "Glass Garage Door" sheets 1 through 6 of 6, dated 06/01/2009, with revision A dated 12/20/2011, prepared by Building Drops, signed and sealed by Alexis Spyrou, P.E.

#### B. TESTS "Submitted under NOA # 10-0802.02"

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with installation diagram on three Series/Model BP-350/ BP-450 HD Hurricane Line, glazed sectional garage doors, prepared by Architectural Testing, Inc, Test Report No. **97392.03-301-18**, dated 06/04/2010, with Revision 2 dated 11/03/2010, signed and sealed by Joseph A. Reed, P.E.

#### C. CALCULATIONS

1. Product evaluation report, complying with FBC-2007 and 2010, prepared by Building Drops, dated 01/13/2012, signed and sealed by Alexis Spyrou, P.E.

#### "Submitted under NOA # 10-0802.02"

2. Product evaluation report, complying with FBC-2007, prepared by CertWorks, LLC, dated 07/22/2010, signed and sealed by Kristina S. Daugherty, P.E.

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

#### E. MATERIAL CERTIFICATIONS

1. None.

#### F. STATEMENTS

1. Statement letter of code conformance to FBC 2007 and 2010 and no financial interest, issued by Building Drops, dated 01/13/2012, signed and sealed by Alexis Spyrou, P.E.

#### "Submitted under NOA # 10-0802.02"

2. Laboratory compliance letter for Test Report No. 97392.03-301-18, issued by Architectural Testing, Inc., dated 06/07/2010, signed and sealed by Joseph A. Reed, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 12-0124.03

Expiration Date: January 13, 2016 Approval Date: March 22, 2012

- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 5. FOR INSTALLATION INTO WOOD FRAMING USE 3/8 INCH LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 6. FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 3/8 INCH DIAMETER CONCRETE FASTENERS OF SUFFICIENT LENGTH TO ACHIEVE 2 1/2 INCH MINIMUM EMBEDMENT.
- 7. FOR INSTALLATION THROUGH STEEL STUD, USE 3/8 INCH DIAMETER STEEL BOLTS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF THREE (3) THREADS OF PENETRATION BEYOND STEEL STRUCTURE.
- 8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 10.FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 11.INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 12.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING
  - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.55.
- B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI. C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE
- N, TYPE 1 (OR GREATER).
- D. STEEL MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 118 MILS (11 GAUGE)

# **BP-GLASS GARAGE DOORS & ENTRY SYSTEMS, INC.**

BP-350/450 HD HURRICANE LINE GLASS GARAGE DOOR

#### GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 & 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 4X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 3. 4X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. **BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF** THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. DOOR FRAME MATERIAL: ALUMINUM 6005-T5
- IN ACCORDANCE WITH THE 2007 & 2010 FBC SEC. 2003.8.4 DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN SEC 2003.8.4.2.
- 8. GLASS MEETS THE REQUIREMENTS OF ASTM E-1300-04 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.
- 9. EPDM GLAZING GASKET HAS BEEN TESTED IN ACCORDANCE WITH FBC 2411.3.4.

TABLE OF CONTENTS				
SHEET	REVISION	SHEET DESCRIPTION		
1	A	INSTALLATION & GENERAL NOTES		
2	Α	ELEVATION, ANCHOR LAYOUT, & DETAILS		
3	A	VERTICAL, HORIZONTAL SECTIONS & GLAZING DETAILS		
4	A	HORIZONTAL SECTIONS		
5	A	BILL OF MATERIALS & COMPONENTS		
6	Α	COMPONENTS		

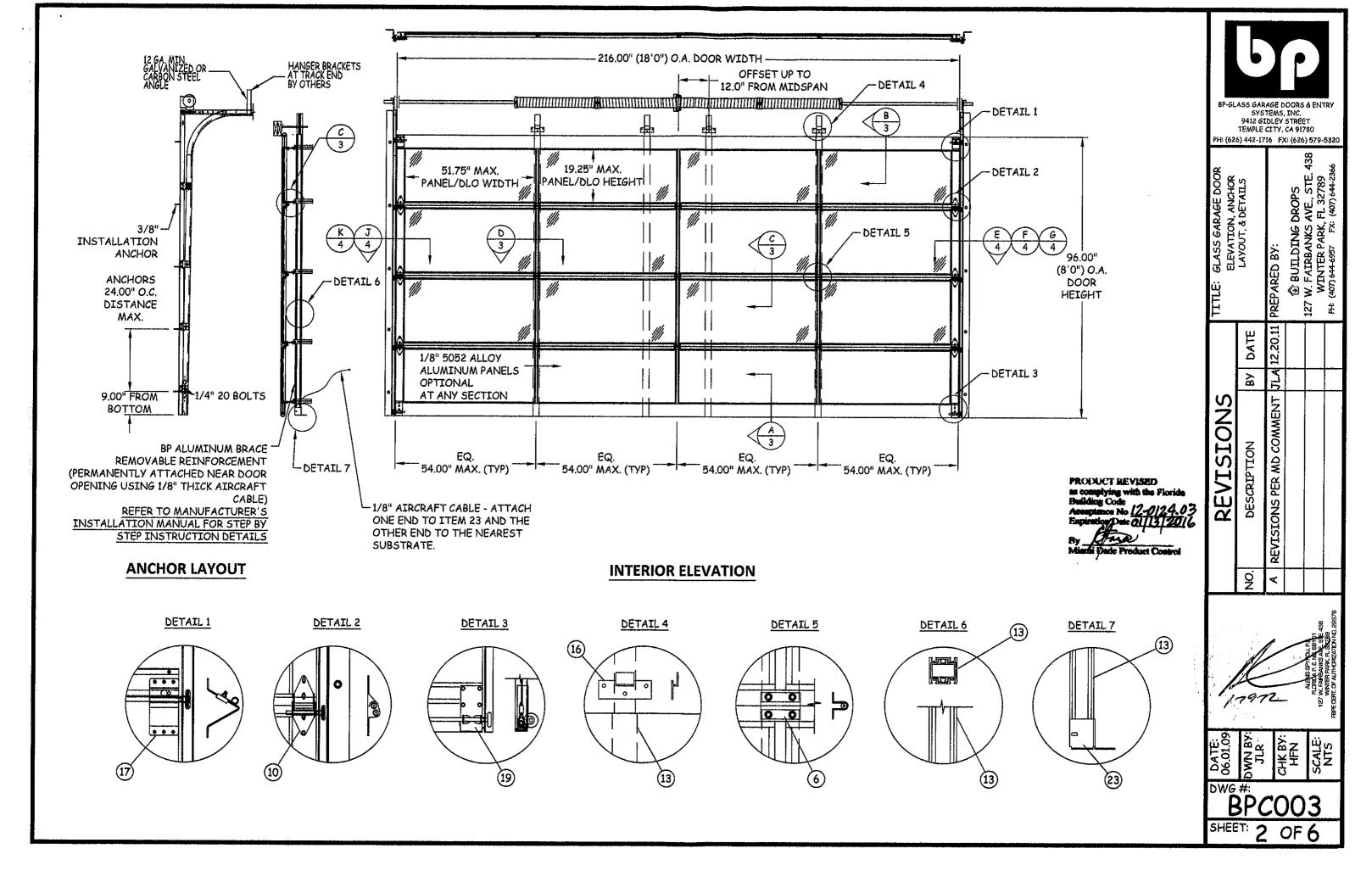
DESIGN PRESSURE RATING				
DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING			
+65.0 / -65.0 PSF*	SMALL AND LARGE MISSILE IMPACT RATED			

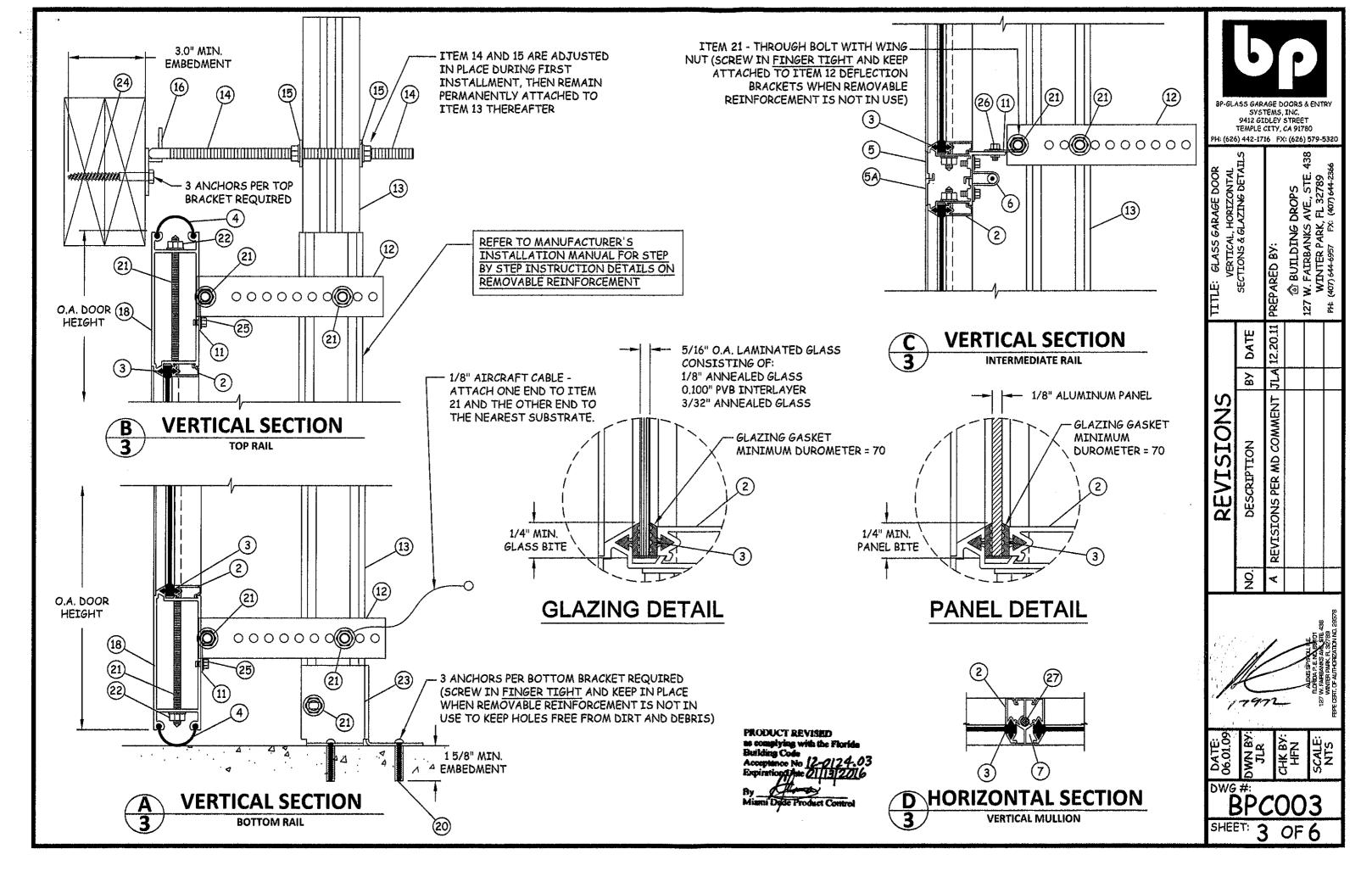
\*REMOVABLE REINFORCEMENT REQUIRED (NOT RATED FOR WATER)

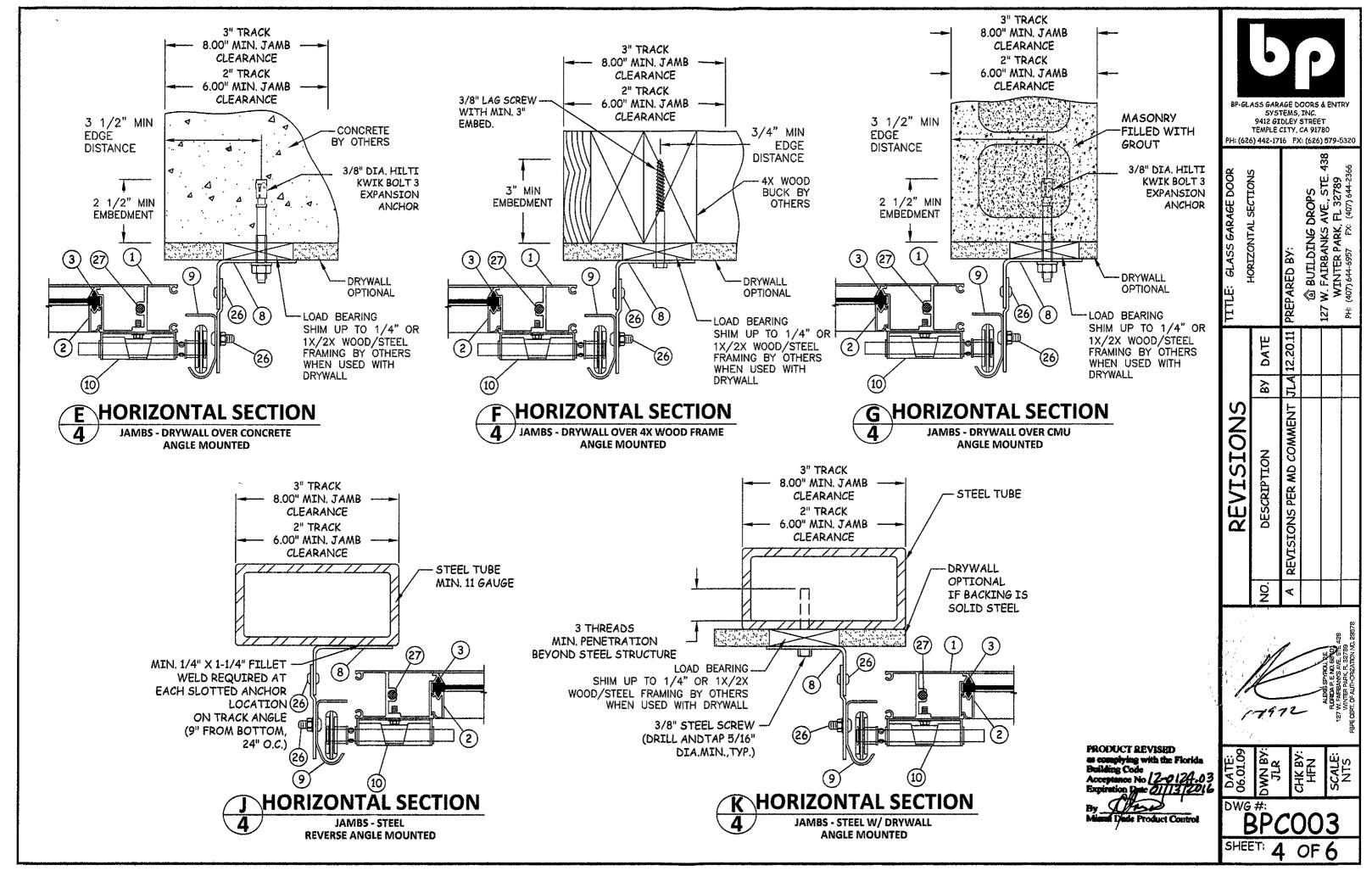
PRODUCT REVISED



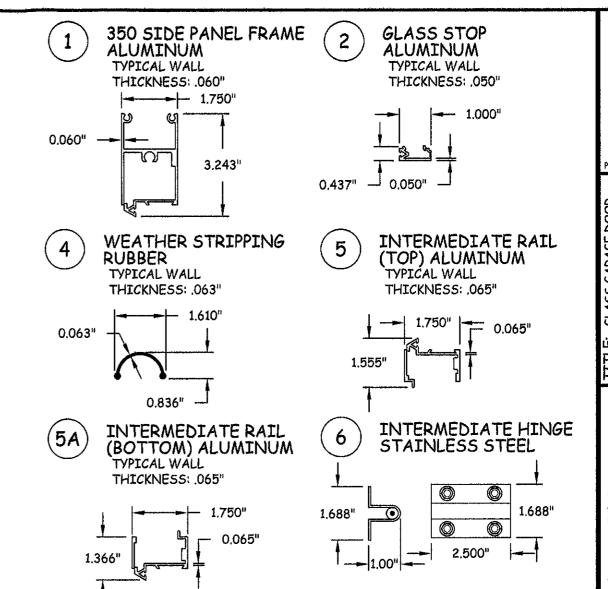
BP-GLASS GARAGE DOORS & ENTRY SYSTEMS, INC. 9412 GIDLEY STREET TEMPLE CITY, CA 91780

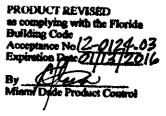


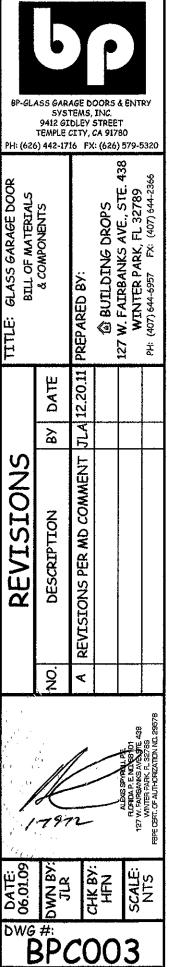




BILL OF MATERIALS						
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER			
1	350 SIDE PANEL FRAME	ALUMINUM	BP GLASS DOORS			
2	GLASS STOP	ALUMINUM	BP GLASS DOORS			
3	GLAZING GASKET	EPDM	GLS			
4	WEATHERSTRIPPING	EPDM	GLS			
5	INTERMEDIATE RAIL (TOP)	ALUMINUM	BP GLASS DOORS			
5 <i>A</i>	INTERMEDIATE RAIL (BOTTOM)	ALUMINUM	BP GLASS DOORS			
6	INTERMEDIATE HINGE	14 GA. STAINLESS STEEL	BP GLASS DOORS			
7	VERTICAL MULLION	ALUMINUM	BP GLASS DOORS			
8	ANGLE	14 GA. STEEL	BP GLASS DOORS			
9	TRACK 2"	15 GA. STEEL	BP GLASS DOORS			
10	UNIVERSAL HINGES #1-#9	12 GA. STAINLESS STEEL	BP GLASS DOORS			
11	HF-PIN BRACKET	12 GA. STAINLESS STEEL	BP GLASS DOORS			
12	DEFLECTION BRACKET	11 GA. GALV. STEEL	BP GLASS DOORS			
13	REMOVABLE REINFORCEMENT	ALUMINUM	BP GLASS DOORS			
14	3/8" U-BOLT & LOCK NUTS	STEEL	BP GLASS DOORS			
15	U-BOLT PLATES	12 GA. GALV. STEEL	BP GLASS DOORS			
16	TOP BRACKET	1/4" STEEL	BP GLASS DOORS			
17	TOP FIXTURE	12 GA. STAINLESS STEEL	BP GLASS DOORS			
18	450 TOP AND BOTTOM PANEL	ALUMINUM	BP GLASS DOORS			
19	BOTTOM FIXTURE	12 GA. STAINLESS STEEL	BP GLASS DOORS			
20	3/8" DROP IN CONCRETE ANCHOR	STEEL	BP GLASS DOORS			
21	1/4" - 20 HEX BOLT & NUTS	STEEL	BP GLASS DOORS			
22	1/4" NUT	STEEL	BP GLASS DOORS			
23	FLOOR FLANGE	12 GA. GALV. STEEL	BP GLASS DOORS			
24	3/8" X 3" LAG BOLT	STEEL	BP GLASS DOORS			
25	1/4" X 1/2" SELF THREADING SCREW	STEEL	BP GLASS DOORS			
26	1/4" X 1/2" CARRIAGE BOLT	STEEL	BP GLASS DOORS			
27	1/4" X 20 GALV. THRU BOLT W/ NUT	STEEL	BP GLASS DOORS			







DATE: 06.01.09

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